This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852

20th Anniversary 1970-1990
National Oceanic and Atmospheric Administration
"Serving The Nation"
John A. Knauss, Administrator

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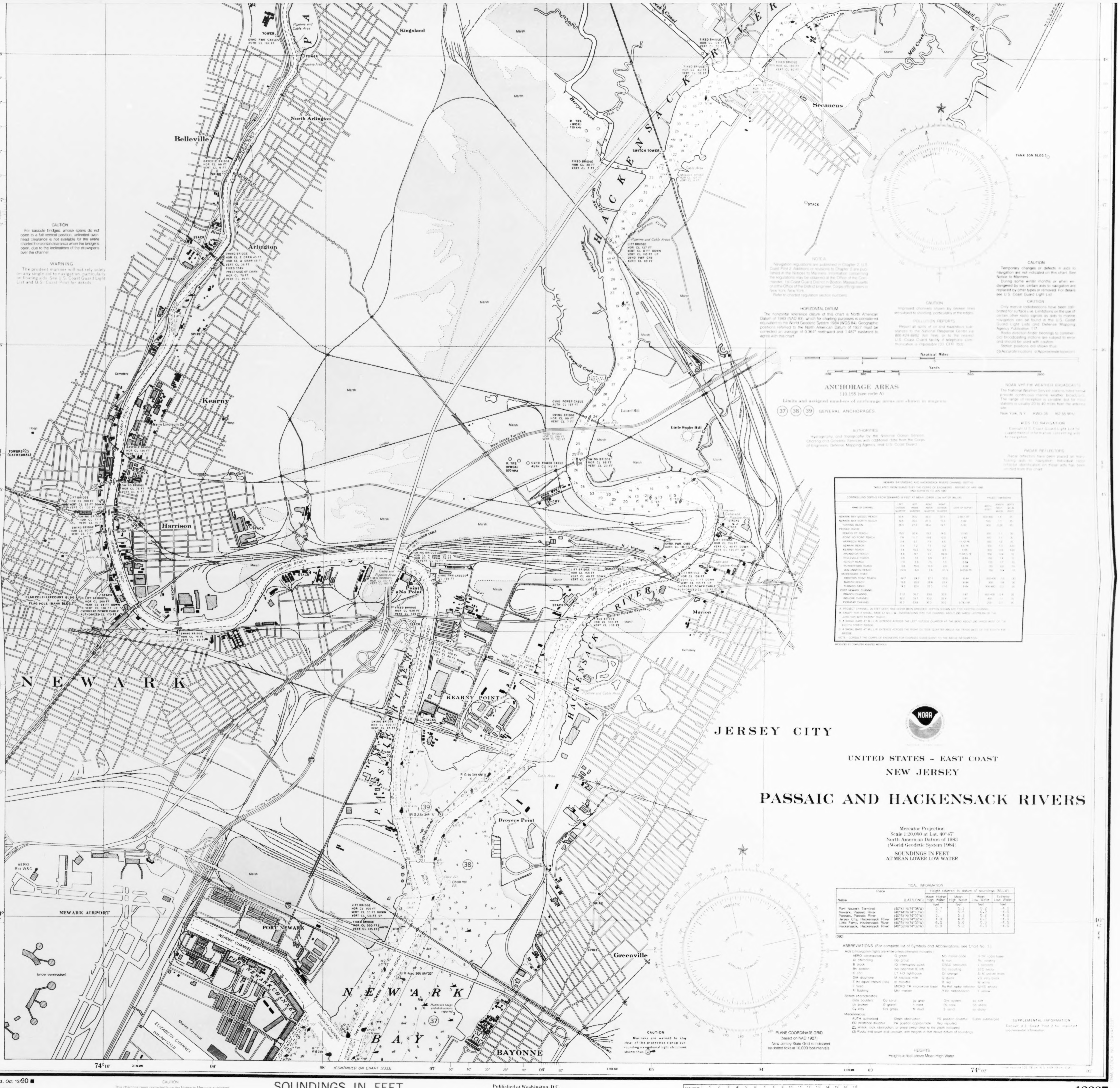
SOUNDINGS IN FEET

Nautical Chart Catalog No. 1, Panel G

12337

NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 1985 AND SURVEYS TO JAN 1987

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEWARK BAY MIDDLE REACH	33.6	35.0	35.0	30.1	2-85,1-87	600-400	1.4	35
NEWARK BAY NORTH REACH	19.5	35.0	27.3	15.3	5-82	500	1.1	35
TURNING BASIN	26.3	27.2	26.4	19.1	5-82	800	0.26	35
PASSAIC RIVER								
KEARNY PT REACH	15.5	20.4	19.2	14.5	10-83	300	1.1	30
POINT NO POINT REACH	7.6	11.7	15.6	12.0	5-82	300	1.1	30
HARRISON REACH	2.4	9.7	7.3	4.5	11,12-76	300	1.9	20
NEWARK REACH	2.4	7.2	7.3	3.2	8,9-78	300	1.3	A20
KEARNY REACH	3.4	10.2	10.2	4.3	4-66	300	0.9	A20
ARLINGTON REACH	4.4	9.7	9.7	B4.9	11-66,5-74	200	0.9	16
BELLEVILLE REACH	0.6	1.5	9.9	8.7	8-84	150	1.4	10
NUTLEY REACH	7.0	8.8	7.5	1.5	8-84	150	1.7	10
RUTHERFORD REACH	3.6	10.0	10.0	2.0	8-84	150	2.2	10
WALLINGTON REACH	C2.0	6.0	2.8	D1.3	8-63,8-75	150	0.9	10
HACKENSACK RIVER								



CAUTION

For bascule bridges, whose spans do not open to a full vertical position, unlimited overhead clearance is not available for the entire charted horizontal clearance when the bridge is open, due to the inclinations of the drawspans over the channel.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, Massachusetts or at the Office of the District Engineer, Corps of Engineers in New York, New York.

Refer to charted regulation section numbers.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.364" northward and 1.487" eastward to agree with this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

CAUTION

Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and Defense Mapping Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

◯(Accurate location) ⊙(Approximate location)

Nautical Miles

Yards

ANCHORAGE AREAS

110.155 (see note A)

Limits and assigned numbers of anchorage areas are shown in magenta.

(37) (38) (39) GENERAL ANCHORAGES.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the Corps of Engineers, Defense Mapping Agency, and U.S. Coast Guard.

NOAA VHF-FM WEATHER BROADCASTS

The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

New York, N.Y. KWO-35 162.55 MHz

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NEWARK BAY, PASSAIC AND HACKENSACK RIVERS CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF APR 1985 AND SURVEYS TO JAN 1987

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
NEWARK BAY MIDDLE REACH	33.6	35.0	35.0	30.1	2-85,1-87	300-400	1.8	35
NEWARK BAY NORTH REACH	19.5	35.0	27.3	15.3	5-82	500	1.1	35
TURNING BASIN	26.3	27.2	26.4	19.1	5-82	300	0.26	35
PASSAIC RIVER								
KEARNY PT REACH	15.5	20.4	19.2	14.5	11-83	300	1.1	30
POINT NO POINT REACH	7.8	11.7	15.6	12.0	5-82	300	1.1	30
HARRISON REACH	2.4	9.7	7.3	4.5	11,12-76	300	1.9	20
NEWARK REACH	2.4	7.2	7.3	3.2	8,9-76	300	1.3	A20
KEARNY REACH	3.4	10.2	10.2	4.3	4-80	300	0.9	A20
ARLINGTON REACH	4.4	9.7	9.7	B4.9	11-66,5-74	200	0.9	16
BELLEVILLE REACH	0.8	1.5	9.9	8.7	8-84	150	1.4	10
NUTLEY REACH	1.0	6.6	7.5	1.5	8-84	150	1.7	10
RUTHERFORD REACH	3.8	10.0	10.0	2.0	8-84	150	2.2	10
WALLINGTON REACH	C2.0	6.0	2.6	D1.3	9-65,8-75	150	0.9	10
HACKENSACK RIVER								
DROYERS POINT REACH	24.7	24.5	27.1	20.0	6-84	300-400	1.6	30
MARION REACH	18.6	25.5	26.6	21.4	6-84	300	1.8	30
TURNING BASIN	14.5	22.0	25.0	11.0	6-84	300-400	0.2	25
PORT NEWARK CHANNEL								
BRANCH CHANNEL	31.2	32.7	33.6	32.5	1-87	300-400	0.4	35
INSHORE CHANNEL	32.2	33.7	33.2	32.4	1-87	400	1.1	35
PIERHEAD CHANNEL	35.0	33.8	33.3	30.0	3-78,1-87	200	0.7	35

A. PROJECT CHANNEL, 20 FEET DEEP, HAS NEVER BEEN DREDGED. DEPTHS SHOWN ARE FOR EXISTING CHANNEL.
B. EXCEPT FOR A SHOAL, BARE AT M.L.L.W., ENCROACHING INTO THE CHANNEL ABOUT 290 YARDS UPSTREAM OF THE JUNCTION WITH KEARNY REACH.
C. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE LEFT OUTSIDE QUARTER AT THE BEND ABOUT 280 YARDS WEST OF THE EIGHTH STREET BRIDGE.
D. A SHOAL BARE AT M.L.L.W. EXTENDS ACROSS THE RIGHT OUTSIDE QUARTER ABOUT 100 YARDS WEST OF THE EIGHTH AVE BRIDGE.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

PRODUCED BY COMPUTER ASSISTED METHODS

UNITED STATES - EAST COAST
NEW JERSEY
PASSAIC AND HACKENSACK RIVERS

Mercator Projection
Scale 1:20,000 at Lat. 40°47'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)			
Name	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Port Newark Terminal	(40°41'N/74°08'W)	5.7	5.3	0.2	-4.0
Newark, Passaic River	(40°44'N/74°10'W)	5.7	5.5	0.2	-4.0
Passaic, Passaic River	(40°51'N/74°07'W)	5.	5.3	0.2	-4.0
Jersey City, Hackensack River	(40°43'N/74°02'W)	4.9	4.6	0.2	-4.0
Little Ferry, Hackensack River	(40°51'N/74°02'W)	6.0	5.6	0.3	-4.0
Hackensack, Hackensack River	(40°53'N/74°02'W)	6.0	5.2	0.3	-4.0

(590)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical; Al alternating; B black; Bn beacon; C can; DIA diaphone; E Int equal interval (iso); F fixed; Fl flashing; G green; Gp group; IQ interrupted quick; Iso isophase (E Int); LT HO lighthouse; M nautical mile; m minutes; MICRO TR microwave tower; Mkr marker; Mo morse code; N nun; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; R TR radio tower; Rot rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics:

Bld boulders; bk broken; Cy clay; Co coral; G gravel; Grs grass; gy gray; h hard; M mud; Oys oysters; Rk rock; S sand; so soft; Sh shells; sy sticky

Miscellaneous:

AUTH authorized; ED existence doubtful; Obstn obstruction; PA position approximate; PD position doubtful; Rep reported; Subm submerged

21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated.

(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 2 for important supplemental information.

PLANE COORDINATE GRID
(based on NAD 1927)
New Jersey State Grid is indicated by dotted ticks at 10,000 foot intervals.

HEIGHTS
Heights in feet above Mean High Water

(CONTINUED ON CHART 12333)

21st Ed., Oct. 13/90 ■
12337

CAUTION

This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

C55.418/7: 12337/990

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102

METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31